

## WILLCOX PLAYA BASIN

09536100 PITCHFORK CANYON TRIBUTARY NEAR FORT GRANT, AZ

LOCATION.--Lat 32°35'20", long 109°54'40", in SE<sup>1</sup>/<sub>4</sub> sec.5, T.10 S., R.24 E., Graham County, Hydrologic Unit 15050201, at State Highway 266, 3 mi southeast of Fort Grant.

DRAINAGE AREA.--0.81 mi<sup>2</sup>.

### Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1963	00-00-63	10	LT	1970	00-00-70	0	
1964	07-24-64	354		1971	09-08-71	320	
1965	08-15-65	375		1972	08-26-72	130	
1966	08-07-66	40	ES	1973	10-15-72	135	
1967	08-00-67	200		1974	07-16-74	120	
1968	08-20-68	60		1975	00-00-75	0	
1969	00-00-69	180		1976	00-00-76	190	

Magnitude and probability of instantaneous peak flow based on period of record 1963-76

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
144	247	323	425	506	589
Weighted skew	(logs) =	-0.23			
Mean	(logs) =	2.15			
Standard dev.	(logs) =	0.29			

† Reliability of values in column is uncertain, and potential errors are large.

### Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
459	1.8	5,210	0.0	3.0	15.0	2.1	3.8

